



More than **sensors + automation**

# JUMO LOGOSCREEN 601

Paperless recorder with touchscreen



**PROFI**<sup>®</sup>  
**NET**

## The features at a glance

- Secure data recording and processing by TÜV approved manipulation detection
- High process reliability due to AMS2750, CQI-9, and FDA compliant data recording
- Batch report with automatic batch printout
- Individual adaptation to user applications and batch control through ST code
- Up to 2 counting inputs (12.5 kHz) for flow measurement, etc.
- High level of interface flexibility via Modbus master function and PROFINET



## Brief overview

The paperless recorder visualizes plants and process states. It also records process data in a tamper-proof manner. The device can be adapted to different requirements through various connection configurations. As a result, up to 24 analog and 24 digital process signals can be recorded via PROFINET. In addition, user applications can be implemented using ST code.

6 process screens are available for simple and clear visualization of the plant. A picture library with up to 100 graphics makes the individual design of process screens possible.

The continuous recording of measurement data enables different methods of limit value monitoring and remote alarming in the event of a malfunction as well as the simultaneous recording of the batch process. It also offers the decisive advantage of significantly optimizing processes based on the evaluated data, thereby increasing productivity efficiently.

The data is evaluated directly on the device or on a PC using the JUMO PCA3000 software. The batch report can be printed out using a customer-specific form.

## Application areas

Process visualization and paperless recording of analog and digital process data in various industries such as industrial furnace construction, pharmaceutical, food, and water/wastewater.

## Technical data

<b>Designation</b>	JUMO LOGOSCREEN 601
<b>Data sheet</b>	706521
<b>Display</b>	5.7" TFT color screen (640 × 480 pixels, 16-bit color depth) with resistive touchscreen
<b>Visualization</b>	Up to 6 process screen displays, library with up to 100 images; up to 2 auxiliary lines per measuring channel in a horizontal or vertical diagram
<b>Inputs and outputs</b>	Up to 6 analog inputs, up to 6 digital inputs, up to 2 analog outputs, up to 12 digital inputs/outputs, including up to 2 high-speed counting inputs (up to 12.5 kHz); 1 relay output (changeover contact)
<b>Inputs via interface</b>	24 external analog inputs and 24 external digital inputs as well as 14 external texts (10 batch texts, 4 event texts)
<b>Internal channels</b>	<b>Standard:</b> 6 counters/integrators <b>Optional:</b> 6 math channels, 6 logic channels, 2 high-speed counter channels, ST code with 40 input and 40 output variables each
<b>Memory</b>	1 GB; variable cycle time as of 125 ms; data export via external storage media (e.g. USB flash drive)
<b>Interfaces</b>	<b>Standard:</b> RS232/485 for barcode scanner or Modbus master/slave; Ethernet (Modbus TCP master/slave); USB (host/device) <b>Optional:</b> PROFINET IO device
<b>Housing</b>	Front panel made of zinc die-cast with decorative foil, format: 144 mm × 144 mm × 8 mm (including seal); protection type: front IP65, rear IP20; flush-mounted housing according to DIN IEC 61554 made of a zinc-plated steel sheet, dimensions: 136 mm × 136 mm × 120.9 mm
<b>Approvals</b>	cULus; FDA compliant according to 21 CFR Part 11; AMS2750 and CQI-9 compliant